

Switch to
Landscape View

SpeedoClean

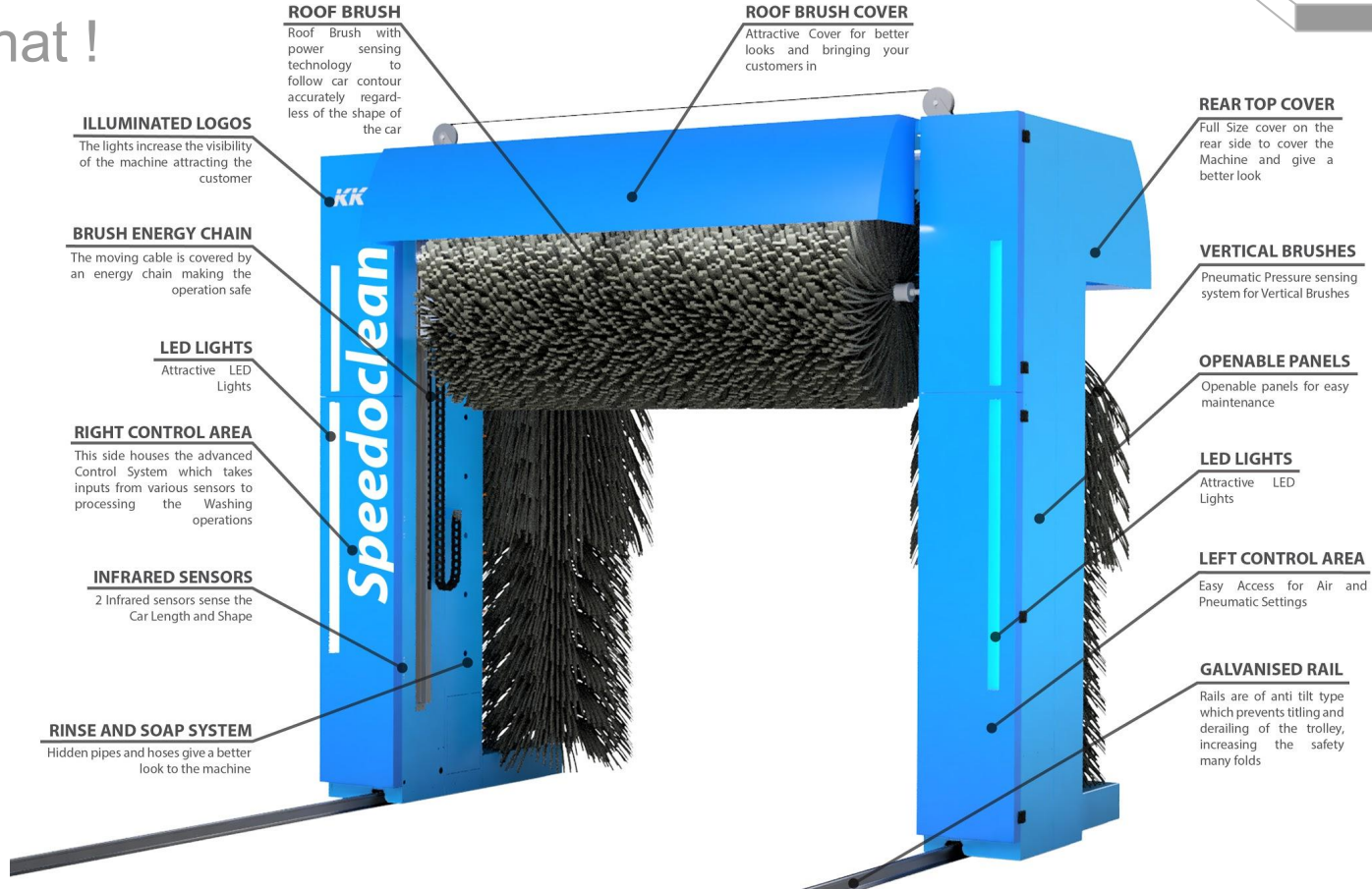
Automatic Car Wash Equipment

Benefits at a Glance

- 1 Easy to Operate and Maintain
- 2 Onboard Control System
- 3 Rust Resistant Galvanised Sheet Structure
- 4 Standard Parts and Components

The
Best Car Wash Machine
to
Start
your Car Wash
Business

What is What !



ROOF BRUSH

Roof Brush with power sensing technology to follow car contour accurately regardless of the shape of the car

ROOF BRUSH COVER

Attractive Cover for better looks and bringing your customers in

ILLUMINATED LOGOS

The lights increase the visibility of the machine attracting the customer

BRUSH ENERGY CHAIN

The moving cable is covered by an energy chain making the operation safe

LED LIGHTS

Attractive LED Lights

RIGHT CONTROL AREA

This side houses the advanced Control System which takes inputs from various sensors to processing the Washing operations

INFRARED SENSORS

2 Infrared sensors sense the Car Length and Shape

RINSE AND SOAP SYSTEM

Hidden pipes and hoses give a better look to the machine

REAR TOP COVER

Full Size cover on the rear side to cover the Machine and give a better look

VERTICAL BRUSHES

Pneumatic Pressure sensing system for Vertical Brushes

OPENABLE PANELS

Openable panels for easy maintenance

LED LIGHTS

Attractive LED Lights

LEFT CONTROL AREA

Easy Access for Air and Pneumatic Settings

GALVANISED RAIL

Rails are of anti tilt type which prevents tilting and derailing of the trolley, increasing the safety many folds

Wash Cycles



Under Chassis Wash

Optional

Prewash

System Sprays water on car to prep the surface for Soap Spray

Shampoo Spray

Shampoo spray helps in loosening the dirt on the car.

Brush Wash

Precision Brush Contouring using Electronic and Pneumatic Vehicle Sensing


Wax Spray

Optional : Dosing Sealer Wax to increase the gloss on the vehicle

Blowing

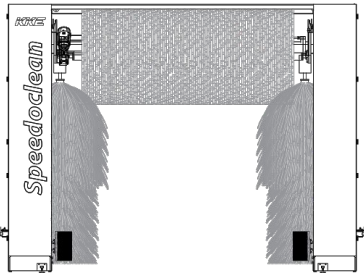
Optional : Blowers blow of the excess water on the car.

 Basic Cycles

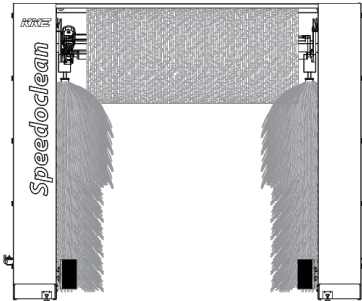
 Cycles due to Optional Addons

Freedom

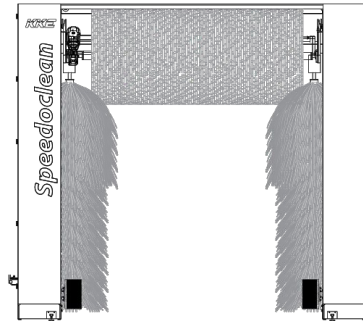
2000 mm
78"



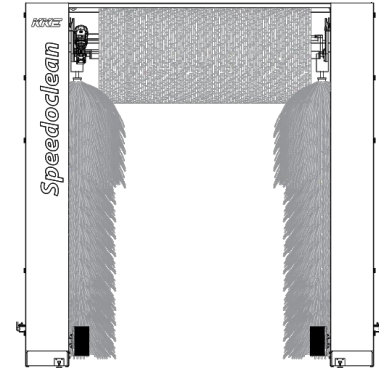
2300 mm
91"



2500 mm
98"



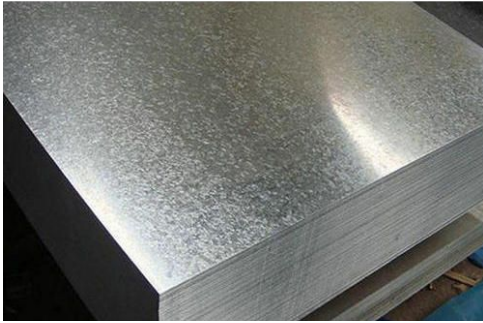
3000 mm
118"



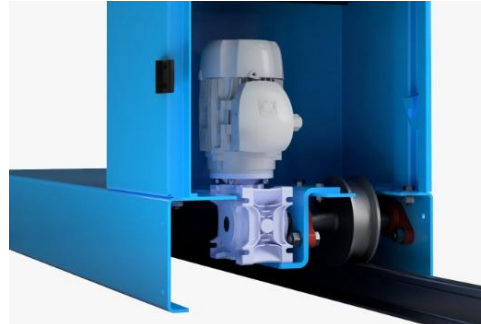
→ Select the washable height of your equipment depending on your market.

The images above may show Optional Addons which might not be a part of standard equipment

Features



- **Inline Drive System** - Inline Drives provide jerk free movement and help in synchronised movement of the Trolley



- **Low Maintenance Gearboxes** - The gearboxes used are filled with silicon grease and do not require any change or top up for their entire life.

- **VFD Controlled Drive** - The Drive motors of the Trolley use a Variable Frequency Drive for multiple speeds and smooth movement of the trolley.

- **Soap System** - Soap System using efficient dosing system for Soap Spraying with rust free Nozzles.

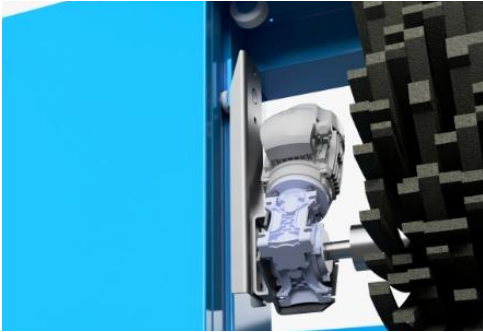


- **Rinse System** - Efficient Rust Free Nozzles to use optimum amount of water.

- **Corrosion Protection** - Galvanised Sheets are used for Structure. The Structure is further Painted for additional protection and looks.
- **Anti - Tilt & Derailing System** - Safety of the humans, equipment and cars is the most important in a wash bay.

Features

- **Horizontal Brush System** - Highly Sensitive sensor to precisely follow the contour of the Car.



- **Wire Rope Lifting System** - Double Wire rope System for Roof Brush ensure ultimate safety for the Car and the Equipment.
- **Side Brushes** - The Side brushes maintain the pressure using Pneumatically Sensing the vehicle.



- **Soft FOAM Bristles** - Let your customers' cars enjoy the gentle massage of the Foam Bristles.
- **Vehicle End Detection** - The equipment senses the presence of the vehicle and accordingly stops water and chemical spray, saving you money \$\$.
- **Wheel Guides** - 3m Wheel guides are provided for helping the driver to position the car in the Wash Bay.

- **OnBoard Control System** - The KKE Speedoclean uses a Hightech computer which is installed on the machine itself.

The control system continuously takes feedback from numerous sensors installed on the machine to understand the Car Shape and Size while performing various wash cycles on the car.

The control system in addition to the Computer has Safety Devices which protect various parts of the machine.

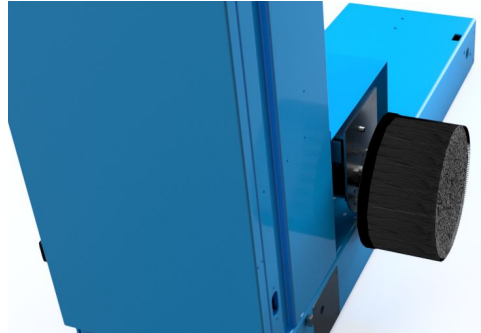


Optional Addons

- **Silicon Free Sealer Wax System** - Give your Customers the luxury to get their cars wax sprayed for enhanced shine.
- **Feed Water Pump** - KKE SpeedoClean requires water at 2 bar pressure. If you are not using City Pressure or are using Recycled water from a tank, you need to include this pump.



- **Wheel Wash Brushes** - Add wheel wash brush attachment for cleaning the wheels of your customer cars. Brushes come with 350 mm extension.



- **OnBoard Blowers** - 2 blowers mounted on the Trolley help in blowing off water from the car. The blowers are moved closer using a Pneumatic Cylinder which help in blowing water off from the top.

- **Height Options** - KKE Speedoclean is available in following washable height options :
 - ◆ 2.0 m (78 '')
 - ◆ 2.3 m (90 '')
 - ◆ 2.5 m (98 '')
 - ◆ 3 m (118 '')

Optional Addons

- **Entry Point Under Chassis Wash** - This Under chassis wash washes the under chassis of the car while it enters into the wash bay. The car is detected with help of a sensor which switch on the system.



- **Trolley Mounted Under Chassis Wash (ICMO)** - ICMO is Trolley based Under Chassis Wash System which runs below the car. The System has Soap and High Pressure Rinse Cycles.



- **Water Recycling System** - KKE's W100 is one of the most advanced and compact Water reclaim system for the vehicle wash industry.

A four stage filtration unit helps remove oil, sludge and turbidity from water.



Technical Data

	2000	2300	2500	3000
Washable Dimensions				
Length, Width		5000 mm, 2300 mm 196" , 90"		6000 mm, 2300mm 236" , 90"
Height	2000 mm , 78"	2300 mm , 90"	2500mm , 98"	3000 mm , 118"
Trolley Dimensions				
Length, Width		1800 mm, 3700 mm 70 " , 145 "		
Height	3090 mm , 121 "	3300 mm , 129 "	3500mm , 137 "	4000 mm , 157 "
Weight	1200 - 2000 kg Weight of equipment depends upon the optional addons selected. Consult KKE personnel if you need exact loading diagram as per your site.			
Wash Programs	2			
Cars per hour	Approx 6 - 7			Approx 5 - 6
Rail Length	9000 mm, 354 "			10000 mm, 393 "

Site Requirements

Electricity

Voltage / Frequency	Option 1 : 415 V AC 3 Phase , 50 Hertz Option 2 : 208 V AC 3 Phase , 60 Hertz
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Air

Pressure	7 bar , 100 psi
Connection	12 mm / 1/2"

Water

Pressure	2 bar , 28 psi
Connection	25 mm / 1"

Recommended Bay Dimensions

Length	10000 mm , 394 "
Width	5000 mm , 197 "
Height Clearance	400 mm , 16 "

Minimum Bay Dimensions *

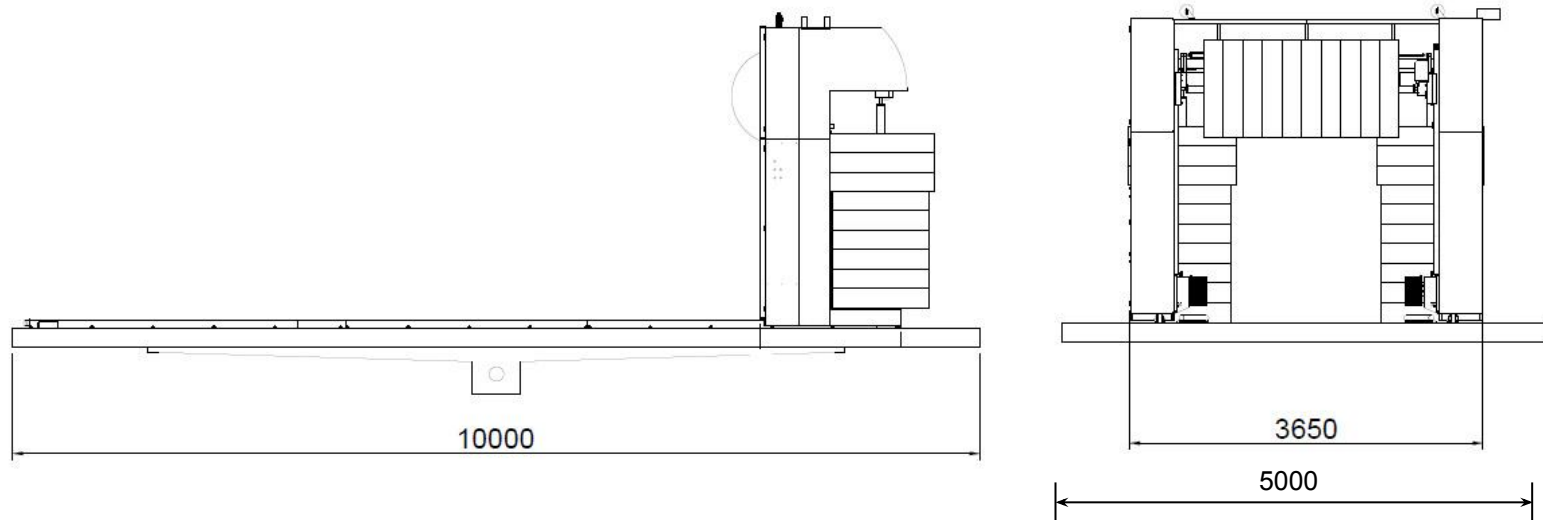
Length	9500 mm , 374 "
Width	4000 mm , 158 "
Height Clearance	200 mm , 8 "

*Client should use safety switches to avoid potential hazard.

*Clear Minimum Bay does not include the safety clearance required as per CE regulation.

*Clear Minimum Bay does not include pump installation space of 5 sq.m of minimum 1600mm length and 600mm width.

Bay Drawings



Bay Drawings



SpeedoClean with ICMO Under Chassis Wash

Critical Parts Used

Programmable Logic Controller

Mitsubishi / Siemens
KKE



Sensors

Pepperl Fuchs / Telco / Omron



MAKING SENSE OF TECHNOLOGY

Variable Frequency Drive

Mitsubishi / Siemens / Delta



MPCB, Contactors

Siemens

Solenoid Valves

Danfoss

Structure

Galvanised Steel Sheets

Geared Motors

Roto-Motive , Siemens



PEPPERL+FUCHS
SENSING YOUR NEEDS

Commonly Selected Configurations

→ Configuration 1

- ◆ Basic Machine
- ◆ Feeder Pump
- ◆ Brushes

→ Configuration 2

- ◆ Basic Machine
- ◆ Feeder Pump
- ◆ Brushes
- ◆ Entrypoint Under Chassis Wash

→ Configuration 3

- ◆ Basic Machine
- ◆ Feeder Pump
- ◆ Brushes
- ◆ Sealer Wax
- ◆ Powerwash 160C
- ◆ Under Chassis Wash Lance

→ Configuration 4

- ◆ Basic Machine
- ◆ Feeder Pump
- ◆ Brushes
- ◆ Sealer Wax
- ◆ Powerwash 160C
- ◆ Under Chassis Wash Lance
- ◆ Blowers

→ Configuration 5

- ◆ Basic Machine
- ◆ Feeder Pump
- ◆ Brushes
- ◆ Wheel Wash System
- ◆ Sealer Wax
- ◆ Blowers

→ Configuration 6

- ◆ Basic Machine
- ◆ Feeder Pump
- ◆ Brushes
- ◆ Blowers

Resources

→ Videos

- ◆ [Speedoclean](#)

→ Contact KKE

- ◆ [Contact Form](#)

→ Car Wash Planning

- ◆ [Car Wash Business Planning](#)
- ◆ [Return on Investment Calculator](#)

Ancillary Equipment



Centralised Vacuum Systems



High Pressure Cleaners



DR100 Steam Cleaners

